Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/09/2017 12:26 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/30/2017 11:23 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124133	-1	1.37	124029	1.33
Blue	F	SSC	125000	123656	-2	2.44	124071	2.27
Blue	E	FITC	21625	21299	-2	2.38	942	9.77
Blue	D	PE	26832	26234	-3	2.01	938	9.40
Blue	B	PerCP-Cy5-5	48027	47589	-1	3.26	1366	16.63
Blue	A	PE-Cy7	40971	40468	-2	4.83	626	34.72
Red	C	APC	49746	49369	-1	2.81	2868	9.30
Red	A	APC-Cy7	53615	53136	-1	2.77	1102	11.03
Violet	B	V450	14488	13716	-6	5.54	657	9.46
Violet	A	V500	55123	53487	-3	5.38	2365	7.24

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19308	4.11	603	5	N/A	N/A	Pass
Blue	F	SSC	61449	1.61	534	0	N/A	N/A	Pass
Blue	E	FITC	108	37.97	535	-1	0.0236	240	Pass
Blue	D	PE	207	28.33	529	-2	0.1832	278	Pass
Blue	B	PerCP-Cy5-5	215	43.66	627	-2	0.0104	78	Pass
Blue	A	PE-Cy7	70	114.69	677	-4	0.0124	15	Pass
Red	C	APC	334	27.23	591	-3	0.0211	77	Pass
Red	A	APC-Cy7	120	40.56	576	-4	0.0059	1861	Pass
Violet	B	V450	80	42.59	467	-4	0.0574	2561	Pass
Violet	A	V500	172	24.22	493	-3	0.0173	1230	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.38	-31.04	0.86
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.32
Red	16.57	13.27 - 19.91	N/A	N/A	31.48	31.76	1.14

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9810

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments